CHECKLIST TO DESIGNATE AREAS OF EVALUATION FOR PROPOSAL

RESEARCH ADMINISTRATION ONLY

Page 1 of 2

| | | f | REQUISITION NUMBER 2744 | DUE DATE 05/13/19 | TIME DUE noon est | | | |
|--|--------------------------------------|-----------------------------------|---|---------------------------------------|------------------------------|--|--|--|
| MDOT PROJECT MA Jeffrey Grabarkiewicz | | | JOB NUMBER (JN) CONTROL SECTION (CS) | | | | | |
| PROBLEM TITLE AN OR19-137 - Eastern I | | catenatus) Road Eco | ology and Population Dynamics | in Michigan | | | | |
| in RFP. | ANAGER: Check all it | | CONSULTANT: Provide onl proposal When applicable, Bes separately in the RFP. **Optional items are determine | t Value scoring cri | teria is listed | | | |
| TIER I | TIER II (\$250,000-\$1,500,000) | TIER III (>\$1,500,000) | | | | | | |
| | X | | Understanding of Service | | | | | |
| | X | | Qualifications of Team | | | | | |
| | X | | Quality Assurance/Quality Cor | ntrol | | | | |
| | X | | Location: The percentage of will be used for all selections inspection or survey activities, using the distance from the inspection or survey activity. | unless the project then location show | is for on-site uld be scored | | | |
| | X | | Past Performance | | A. | | | |
| 20 pages (MDOT Forms not counted) Resumes will only be accepted for Best Value Selections. | 20 pages (MDOT Forms not counted) | 20 pages (MDOT forms not counted) | Total maximum pages for RFF resumes. Resumes limited personnel. | | | | | |

PROPOSAL AND BID SHEET E-MAIL ADDRESS - MDOT-RFP-Response@Michigan.gov

The Consultants will receive an e-mail reply/notification from MDOT when the proposal is received. Please retain a copy of this e-mail as proof that the proposal was received on time. Consultants are responsible for ensuring that MDOT receives the proposal on time.

* Contact Contract Services Division immediately at 517-373-4680 if you do not get an auto response.

GENERAL INFORMATION

Any questions relative to the scope of services must be submitted by e-mail to MDOT-Research@Michigan.gov. Questions must be received by the Project Manager at least five (5) working days prior to the due date and time specified above. All questions and answers will be placed on the MDOT website as soon as possible after receipt of the questions, and at least three (3) days prior to the RFP due date deadline. The names of vendors submitting questions will not be disclosed.

MDOT is an equal opportunity employer and MDOT DBE firms are encouraged to apply. The participating DBE firm, as currently certified by MDOT's Office of Equal Opportunity, shall be listed in the Proposal.

MDOT FORMS REQUIRED AS PART OF PROPOSAL SUBMISSION

5100D - Request for Proposal Cover Sheet

5100J – Consultant Data and Signature Sheet (Required for all firms performing non-prequalified services on this project.) Schedule of Research Activities Form - Appendix B

Deliverables Table - Appendix A

Research Proposal Budget Form Worksheet Appendix C (Universities)

Or

Budget Exhibits required In Priced Proposal Guidelines (Consultants)

(These forms are not included in the proposal maximum page count.)

MDOT 5100B-R (03/19) Page 2 of 2

The Michigan Department of Transportation (MDOT) is seeking professional services for the project contained in the attached scope of services.

If your firm is interested in providing services, please indicate your interest by submitting a Proposal, Proposal/Bid Sheet or Bid Sheet as indicated below. The documents must be developed and submitted in accordance with the latest http://www.Michigan.gov/documents/mdot/MDOT Consultant Vendor Selection Guidelines for Research Administration 01-2013 408228 7.pdf

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| RFP SPECIFIC INFORMATION | |
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| THE SERVICE WAS POSTED ON THE ANTICIPATED QUARTERLY IN NO YES | REQUESTS FOR PROPOSALS DATED THROUGH |
| Prequalified Services – See the attached Scope of Services for required Prequalification Classifications. | Non-Prequalified Services – If selected, the vendor must make sure that current financial information, including labor rates, overhead computations, and financial statements, is on file with MDOT's Office of Commission Audits This information must be on file for the prime vendor and all sub vendors so that the contract will not be delayed. Form 5100J is required with proposal for all firms performing non-prequalified services on this project. |
| Qualification Based Selection - Use Consultant/Vendor S | Selection Guidelines. |
| | n will review the information submitted and will select the firm proposals. The selected firm will be asked to prepare a priced . |
| | have a cost accounting system to support a cost plus fixed fee g system for the recording and accumulation of costs incurred that costs may be segregated and accumulated in the vendor's |
| Best Value – Use Consultant/Vendor Selection Guideline The bid amount is a component of the total proposal score, not | |
| BID SHEET INSTRUCTIONS | |
| · · | . Submit bid sheet(s) with the proposal, to the email address: th this procedure may result in your bid being rejected from s. |
| PARTNERSHIP CHARTER AGREEMENT | |
| MDOT and ACEC created a Partnership Charter Agreement who successful partnering. Both the Consultant and MDOT MDOTPartnership Charter Agreement and are asked to follow and guidance's contained therein. | Project Manager are reminded to review the ACEC- |
| The prime consultant can be a private or public unive | rsity or business. The prime consultant/vendor is responsible |

for the successful completion of the service and is expected to perform at least 40 percent of the services, by dollar value.

successful completion of the service and is expected to perform at least 40 percent of the services, by dollar value.

The prime consultant must be a Michigan university. The prime consultant/vendor is responsible for the

FINANCIAL REQUIREMENTS FOR NON-PREQUALIFIED VENDORS

http://www.michigan.gov/documents/mdot/Financial_Requirements_for_Non_Prequalified_Ven_dors_605817_7.pdf

E-VERIFY REQUIREMENTS

E-Verify is an Internet based system that allows an employer, using information reported on an employee's Form I-9, Employment Eligibility Verification, to determine the eligibility of that employee to work in the United States. There is no charge to employers to use E-Verify. The E-Verify system is operated by the Department of Homeland Security (DHS) in partnership with the Social Security Administration. E-Verify is available in Spanish.

The State of Michigan is requiring, under Public Act 200 of 2012, Section 381, that as a condition of each contract or subcontract for construction, maintenance, or engineering services that the pre-qualified contractor or subcontractor agree to use the E-Verify system to verify that all persons hired during the contract term by the contractor or subcontractor are legally present and authorized to work in the United States.

Information on registration for and use of the E-Verify program can be obtained via the Internet at the DHS Web site: http://www.dhs.gov/E-Verify.

The documentation supporting the usage of the E-Verify system must be maintained by each consultant and be made available to MDOT upon request.

It is the responsibility of the prime consultant to include the E-Verify requirement documented in this NOTIFICATION in all tiers of subcontracts.

DIGITAL SIGNATURE OF CONTRACTS

On <u>January 1, 2018</u>, Contract Services Division intends to fully implement the use of CoSign as the exclusive software for digitally signing all consultant contracts and consultant contract related documents. All other digital signing methods will no longer be accepted.

Prior to using CoSign, all external partners must apply for a free digital signature user account by submitting a MDOT Digital Signature Certificate Request Form.

MDOT INSURANCE UPDATED 3.9.17

At a minimum, the insurance types and limits identified below, may be required from the selected consultant, prior to contract award.

| Required Limits | Additional Requirements |
|---|--|
| Commercial General L | iability Insurance |
| Minimal Limits: \$1,000,000 Each Occurrence Limit \$1,000,000 Personal & Advertising Injury Limit \$2,000,000 General Aggregate Limit \$2,000,000 Products/Completed Operations | Consultants must have their policy endorsed to add "the State of Michigan, its departments, divisions, agencies, offices, commissions, officers, employees, and agents" as additional insureds |
| Automobile Liabil | ity Insurance |
| Minimal Limits: \$1,000,000 Per Occurrence | |
| Workers' Compensa | ation Insurance |
| Minimal Limits: Coverage according to applicable laws governing work activities. | Waiver of subrogation, except where waiver is prohibited by law. |
| Employers Liabili | ty Insurance |
| Minimal Limits: \$500,000 Each Accident \$500,000 Each Employee by Disease \$500,000 Aggregate Disease | |
| Professional Liability (Errors a | nd Omissions) Insurance |
| Minimal Limits: \$1,000,000 Per Claim | |

The Insurer shall provide at least thirty (30) days written notice of cancellation. The Prime Consultant will be responsible to verify subconsultant(s) compliance with MDOT's insurance requirements.

Michigan Department of Transportation

SCOPE OF SERVICE FOR RESEARCH SERVICES

TITLE: Eastern Massasauga (Sisturus catenatus) Road Ecology and Population Dynamics in Michigan OR#: OR19-137

LOCATION: Statewide

WORK DESCRIPTION: Research on Eastern Massasauga (Sisturus catenatus) Road Ecology and

Population Dynamics in Michigan

ANTICIPATED START DATE: 10/1/2019

ANTICIPATED COMPLETION DATE: 9/30/2023

The budget for this project cannot exceed: \$363,281.00

MDOT RESEARCH PROJECT ADMINISTRATION MANAGER:

Jeffrey Grabarkiewicz

425 W. Ottawa

Lansing, Michigan 48933

E-MAIL: mdot-research@michigan.gov

GENERAL INFORMATION:

1. PROBLEM TO ADDRESS

Eastern massasauga rattlesnakes (EMR) are listed as threatened under the Endangered Species Act. In 2017, the Federal Highway Administration (FHWA), Michigan Department of Transportation (MDOT), and the U.S. Fish & Wildlife Service (FWS) developed a statewide Programmatic Agreement (Programmatic) on the conservation and management of EMR in relation to road construction and maintenance projects. Presently, MDOT and County Road Commissions maintain roads through approximately 9,300 miles of EMR habitat (modeled as Tier I and Tier II; https://ecos.fws.gov/ipac/). These roadways and associated right-of-ways (ROWs) are subjected to a variety of development and maintenance activities that have the potential to affect EMRs. Due to many factors, including the secretive nature of the species and a lack of research, the potential effects of construction and

maintenance activities are not understood. Yet, federal regulators require many best management practices (BMPs) to protect EMR during both construction and maintenance activities. These BMPs include silt fence installation, inspections, alternative erosion control measures, species surveys, and seasonal restrictions for mowing, clearing, culvert replacement, and ditching. Research and monitoring that addresses EMR use of ROW areas is needed to calibrate these BMPs, maintain compliance with the Endangered Species Act, and ensure the wise use of transportation funds.

2. RESEARCH OBJECTIVES

Understand patterns of EMR habitat use around MDOT roads and behaviors in response to maintenance activities; evaluate efficacy of required BMPs.

3. URGENCY AND IMPLEMENTATION BENEFIT TO MDOT

The project will be a collaborative effort with Michigan State, Fish and Wildlife Service, and MDOT as the primary partners. MDOT's ecologist (Jeff Grabarkiewicz) will be the point of contact and will assist in providing technical input, arranging for ROW access, and any other coordination needs.

The expected benefit is to fine-tune the BMPs used on construction and maintenance projects based on data and science-based inference. Currently, BMPs are required by regulators and implemented by MDOT without an understanding of their need and effectiveness. The EMR is widespread in Michigan and this project will affect all regions with the exception of Superior.

4. RISKS OR OBSTACLES TO RESEARCH

EMR is a federally threatened species; activities that could potentially harm the species must be approved by the FWS.

The research will require radio tracking snakes with transmitters fixed to individual snakes in unique ways to reduce harm to the snakes.

5. DESIRED QUALIFICATIONS IN AN INVESTIGATOR(S)

There is no statistical qualification requirement for this proposal

CONSULTANT RESPONSIBILITIES:

- 1. Year 1, Survey potential study sites, complete pilot telemetry study
- 2. Year 2, Finalize study sites, initiate telemetry study and monitor habitat use
- 3. Year 3, Continue telemetry study and habitat use monitoring, begin exposing EMR to maintenance activities, begin data analysis.
- 4. Year 4, Analysis of data, draft final report

Failure of any of the above will be found in noncompliance with the contract.

DELIVERABLES:

A report that identifies the background, methods, and results of the research project. The report will recommend specific, cost-effective best management practices based on the habitat use and behavior of EMR.

MDOT RESPONSIBILITIES:

MDOT will have little to no involvement with sharing or providing data or services. The only data that need possibly shared with the researchers is basic GIS files.

COORDINATION PROCEDURES

Work will be completed in compliance with the Research Implementation Manual

CONSULTANT PAYMENT

All billings for services must be directed to the Department and follow the current Research Implementation Manual. This document contains instructions and forms that must be followed and used for billing. Payment may be delayed or decreased if the instructions are not followed.

Payment to the Consultant for services rendered shall not exceed the maximum amount unless an increase is approved in accordance with the contract with the Consultant.

Direct expenses, if applicable, will not be paid in excess of that allowed by the Department for its own employees in accordance with the State of Michigan's Standardized Travel Regulations. Supporting documentation must be submitted with the billing for all eligible expenses on the project in accordance with the Reimbursement Guidelines. The only hours that will be considered allowable charges for this contract are those that are directly attributable to the activities of this project.

The use of overtime hours is not acceptable unless prior <u>written</u> approval is granted by the MDOT project manager. Reimbursement for overtime hours that are allowed will be limited to time spent <u>on this project</u> in excess of forty hours per person per week. Any variations to this rule should be included in the priced proposal submitted by the Consultant and must have prior written approval by the MDOT project manager.

The basis of payment is Actual Costs for Universities and Actual Costs plus Fixed Fee for Consultants as defined in standard MDOT contracts.

PROPOSAL INFORMATION AND SCORING

Formal proposals are required and shall include the information as outlined in these Guidelines. This section is the information required in the proposal that will be used to score the qualifications of each consultant's proposal. The section numbering correlates to the score sheet. Therefore, the consultant should format their proposals consistent with the outline provided.

1. UNDERSTANDING OF SERVICE: 40 POINTS

Describe understanding of the service intended to be proposed. This information is to be based on the scope of services.

Problem Statement and Background Summary- demonstrates good understanding of problem, looks objectively at problem, specifies problem limits and restricts scope appropriately, and cites relevant literature.

Research Plan- cites specific objectives clearly, technical approach responds to all written and implied requirements, difficult areas are identified and details to overcome are given, represents novel idea or technical approach, plan is feasible, and effort is consistent with scope of problem.

Products and Implementation- proposal clearly defines products to be delivered at completion, includes practical, realistic implementation plan.

MDOT Involvement- MDOT involvement is not excessive and is clearly defined and quantified.

2. OUALIFICATIONS OF TEAM: 30 POINTS -

Describe the structure of the project team including the roles of all key personnel and subcontractors. For each subcontractor describe role in service and include what percent of the task that the subcontractor is expected to provide. Provide résumés for each of the key staff of the prime and subcontractor.

Facilities- proposer has adequate access to equipment and/or laboratory required in study.

Staffing- personnel availability is clearly defined, shows a depth of qualified personnel, proposer has ability to manage a project of this size an sufficient resources to complete study, qualifications are directly related to the requirements of the project, plans for specific key personnel assignment included, and there is a reasonable balance between subcontractor and prime contractor.

Statistical Qualification- The required knowledge level for a research team in statistical analyses, if defined, will be in the RFP under the heading DESIRED QUALIFICATIONS IN AN INVESTIGATOR(S).

Proposals not documenting statistical training and experience levels required in the RFP may be classified as non-responsive.

3. RELEVANT PAST PERFORMANCE: 30 POINTS

Past performance project scores will be reviewed and/or past project references will be contacted. **Record of past accomplishment**- proposer satisfactorily completed past projects, was cooperative and flexible, and ended past projects according to the original budget and time schedule.

4. QUALITY ASSURANCE/QUALITY CONTROL (QAQC) PLAN: 5 POINTS

The proposer provided an outline of a QA/QC process. The QA/QC Manager is experienced with MDOT standards and practices.

5. LOCATION: 5 POINTS

The percentage of work hours performed in Michigan will be used for all selections unless the project is for on-site inspection or survey activity. The combination of location and percentage of work performed in Michigan should not exceed 5 points.

Percentage of Work To Be Done in Michigan Score

| 95% to 100% | 5 |
|---------------|---|
| 80% to 94% | 4 |
| 50% to 79% | 3 |
| 25% to 49% | 2 |
| 10% to 24% | 1 |
| Less than 10% | 0 |

6. PRICE: 40 POINTS

Cost score is based on the lowest cost proposed divided by the current proposer cost multiplied by 40. Lowest bid shall receive 40 points.

TOTAL POINTS: 150

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| Sub-Total Other Expenses \$0.00 \$ | (Description) | | | | | | | | | | \$0.00 |
| NDIRECT COSTS MUST COMPLY WITH OMB CIRCULAR A-21 Indirect cost rates are negotiated between the university and it's cognizant agency. Indicate the type of negotiated indirect rate used and the percentage (e.g. On Campus Research, 52%) Type | (Description) | | | | | | | | | | \$0.00 |
| INDIRECT COSTS MUST COMPLY WITH OMB CIRCULAR A-21 Indirect cost rates are negotiated between the university and it's cognizant agency. Indicate the type of negotiated indirect rate used and the percentage (e.g. On Campus Research, 52%) (Type) FY1 FY2 FY3 FY4 Enter \$ Amt per FY TOTAL PROJECT COSTS \$0.00 \$ | | | | Sub-T | otal Other Exper | ses | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| INDIRECT COSTS MUST COMPLY WITH OMB CIRCULAR A-21 Indirect cost rates are negotiated between the university and it's cognizant agency. Indicate the type of negotiated indirect rate used and the percentage (e.g. On Campus Research, 52%) (Type) FY1 FY2 FY3 FY4 Enter \$ Amt per FY TOTAL PROJECT COSTS \$0.00 \$ | | | | | Total Sub-To | tals | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
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| Enter \$ Amt per FY \$0.00 | \ · J = -/ | FY1 | | FY3 | FY4 | | 1 | | 1 | 1 | |
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| | | | | TOTAL MD | OT PROJECT CO | STS | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |